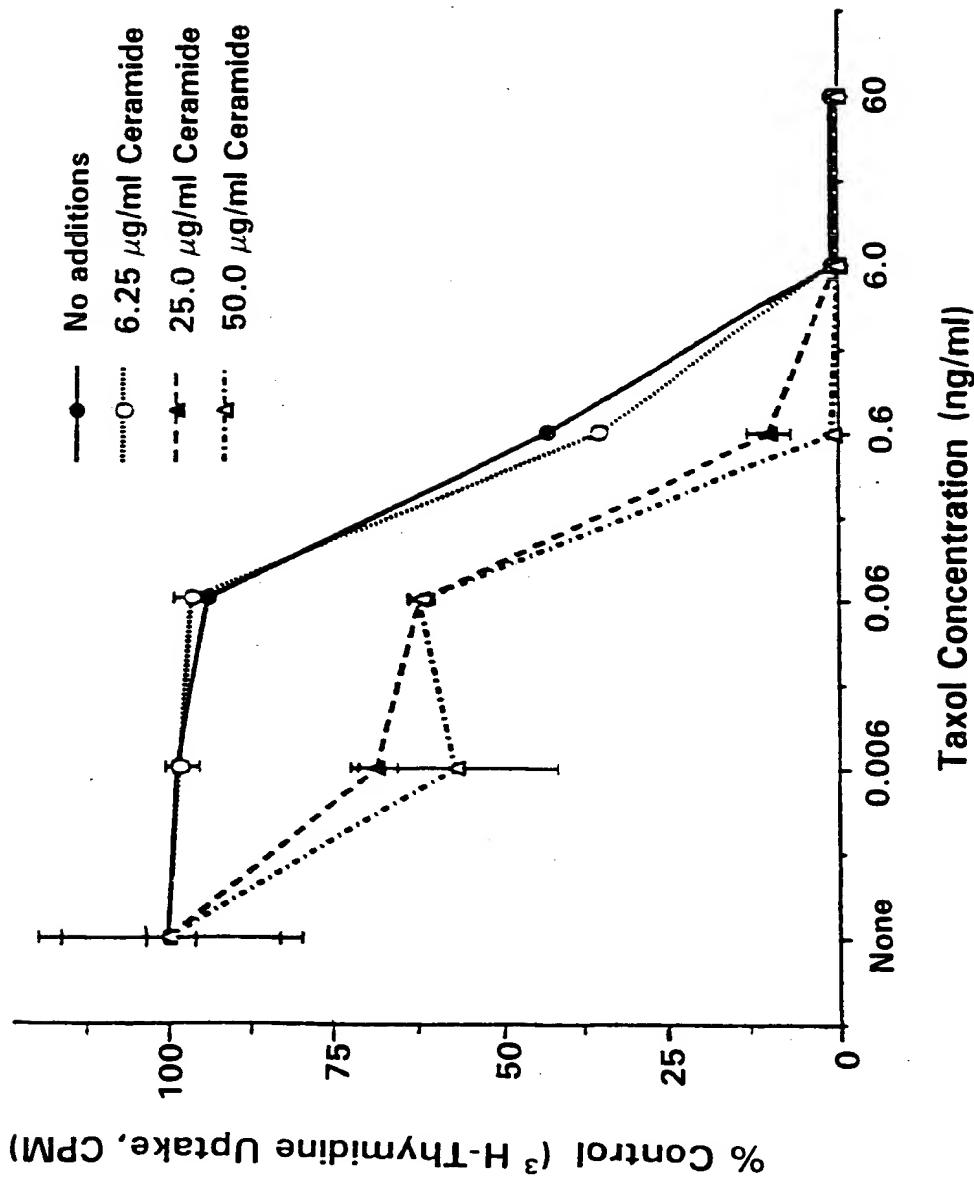


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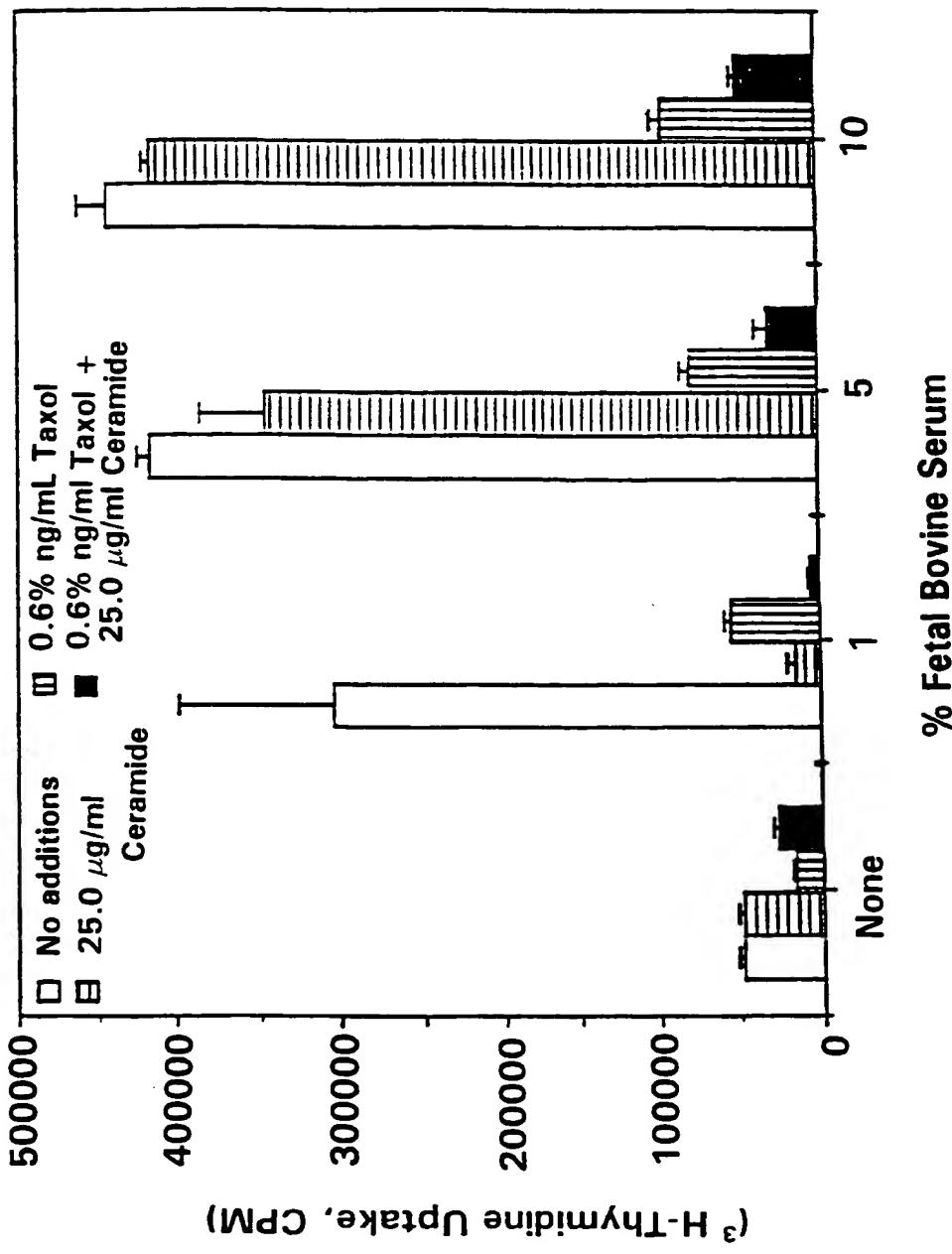
FIGURE 1





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FIGURE 2

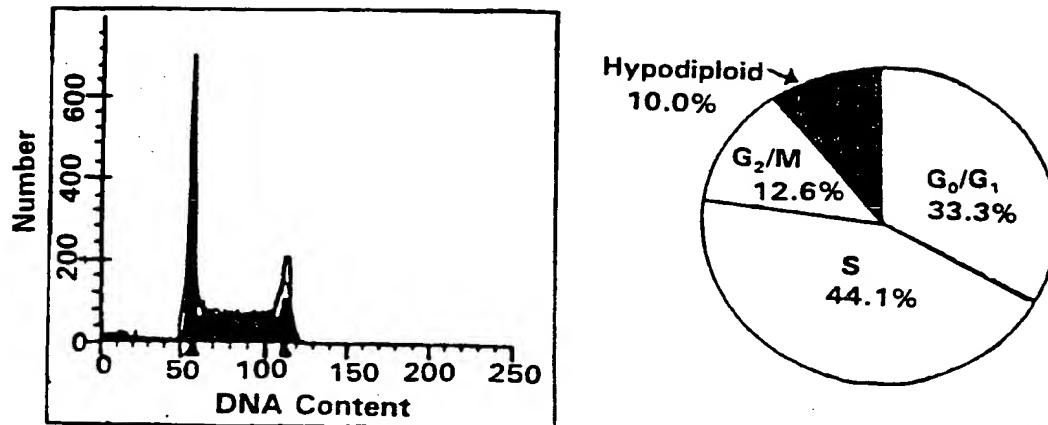




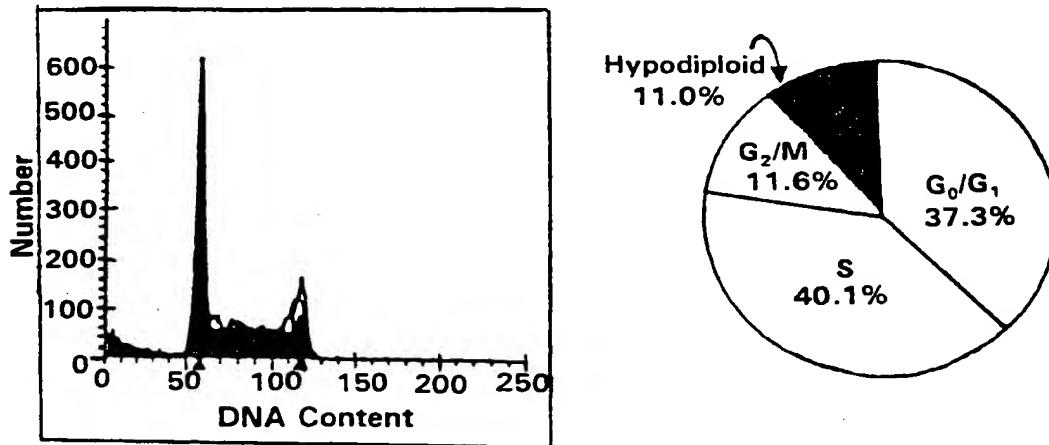
Applicants : Harold J. Wanebo and Shashikant Metha  
U.S. Serial No. 09/287,884  
Filing Date: May 7, 1999  
Group Art Unit: 1614 @ (703)- 308-4606  
Title of the Invention: COMBINATIONS OF  
CERAMIDE AND CHEMOTHERAPEUTIC AGENTS  
FOR INDUCING CELL DEATH AND USES.....  
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**FIGURE 3A**

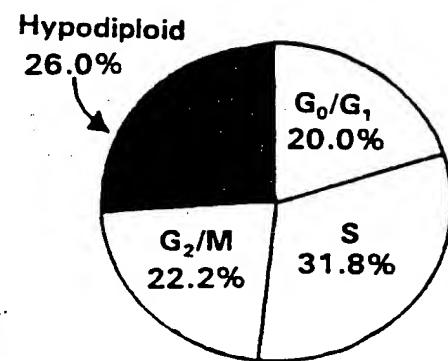
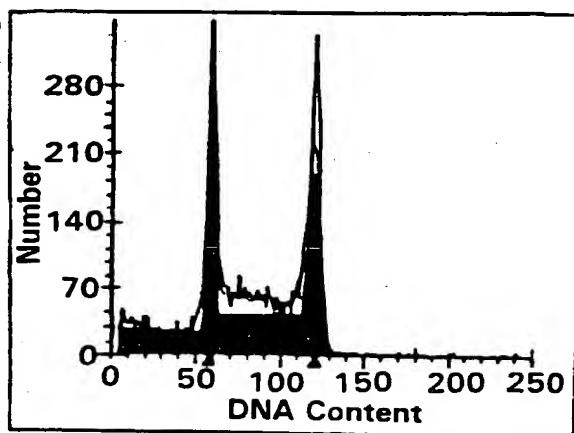


**FIGURE 3B**

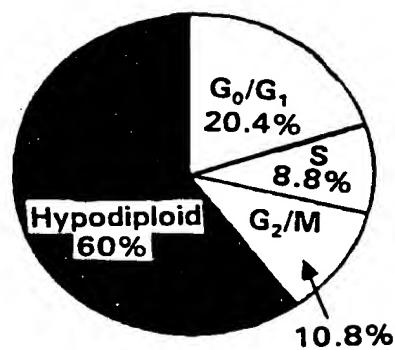
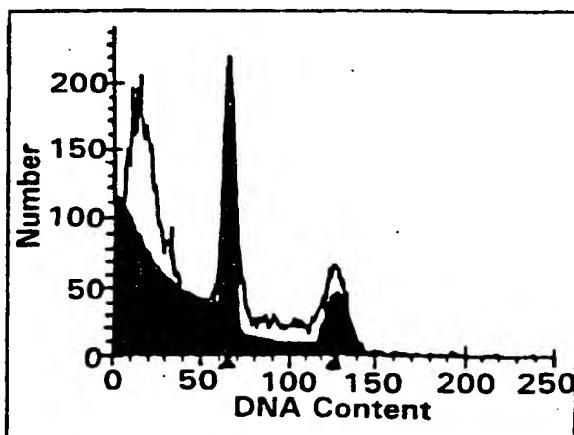


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**FIGURE 3C**



**FIGURE 3D**

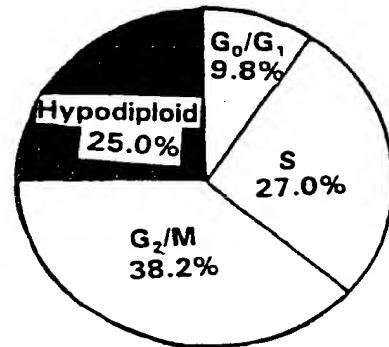
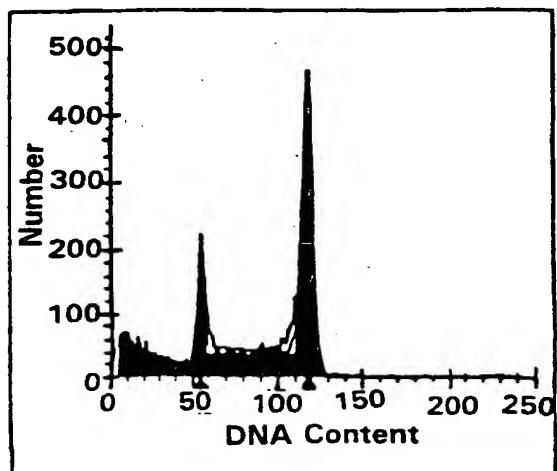




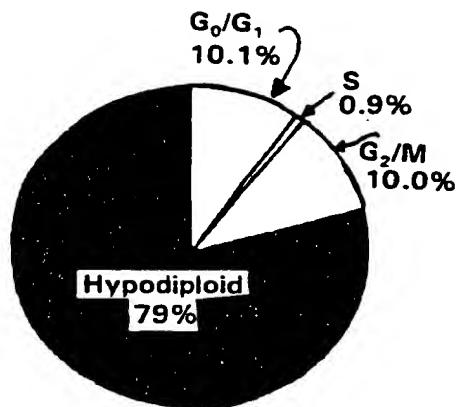
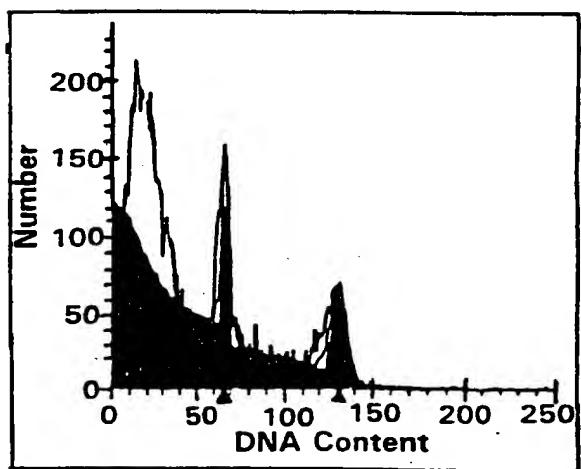
Applicants : Harold J. Wanebo and Shashikant Metha  
 Serial No. 09/287,884  
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 FOR INDUCING CELL DEATH AND USES.....  
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**FIGURE 3E**



**FIGURE 3F**

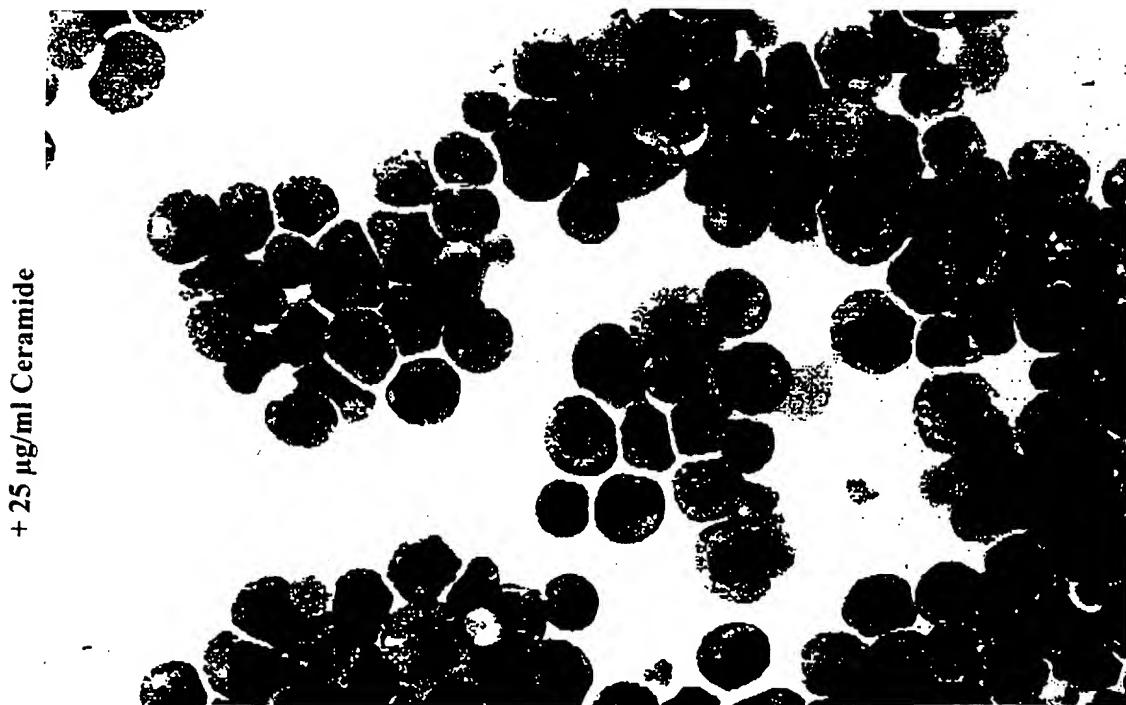


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**FIGURE 4A**

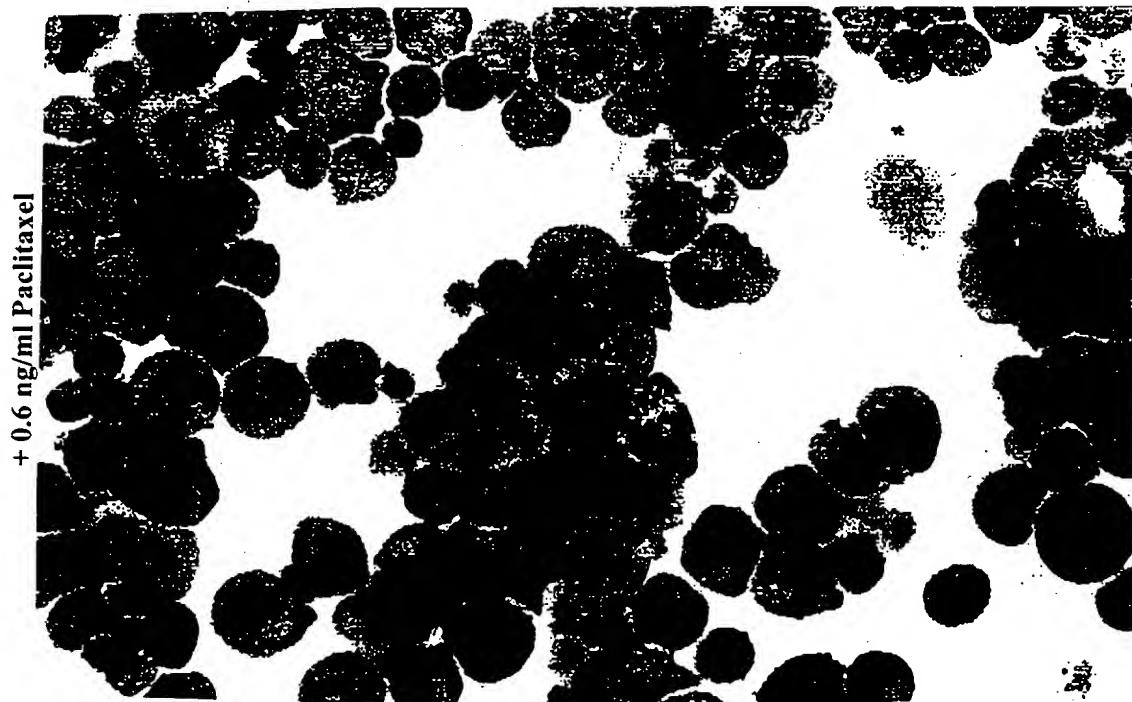


**FIGURE 4B**

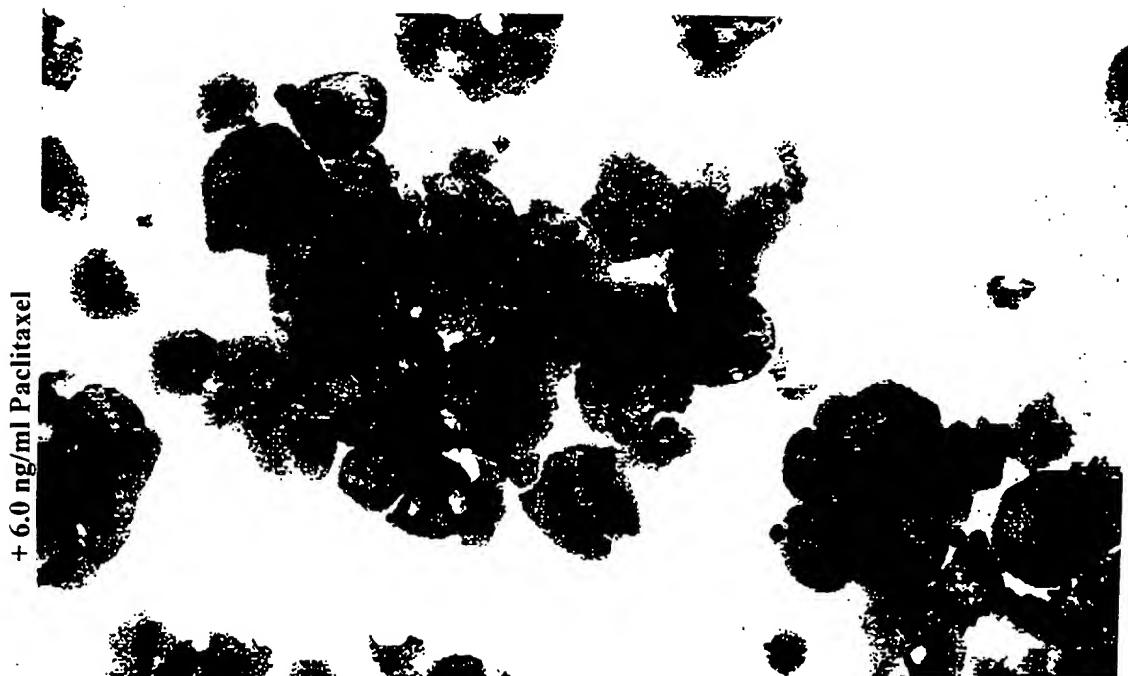


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**FIGURE 4C**



**FIGURE 4D**



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**FIGURE 4E**

+ 0.6 ng/ml Paclitaxel + 25  $\mu$ g/ml Ceramide



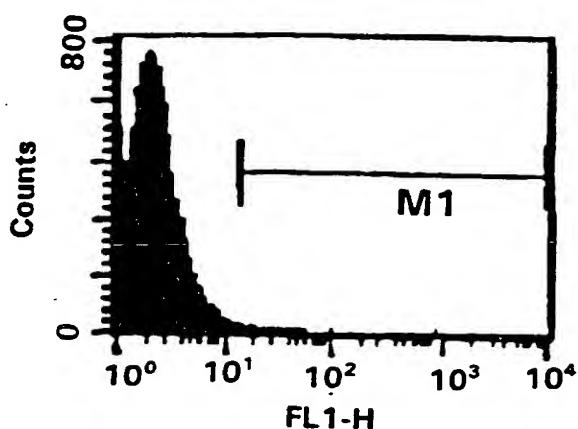
**FIGURE 4F**

6.0 ng/ml Paclitaxel + 25  $\mu$ g/ml Ceramide



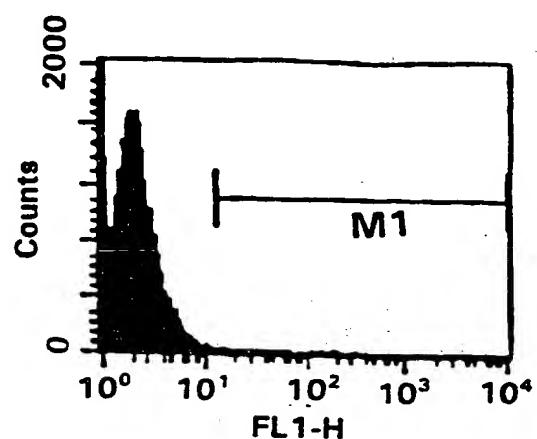
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**FIGURE 5A**  
(24 Hours)



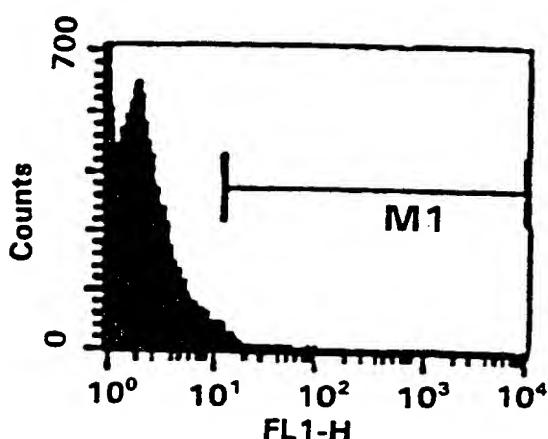
0.93%

**FIGURE 5B**



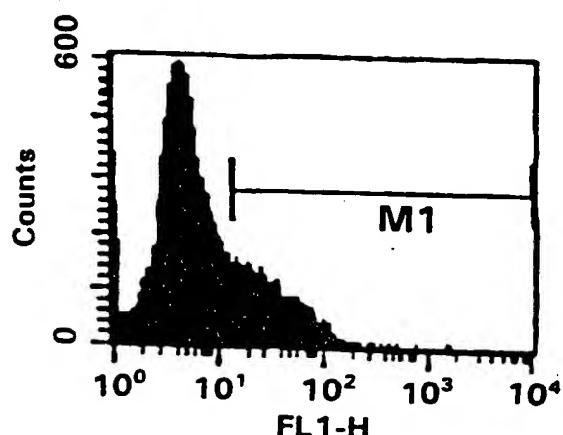
0.64%

**FIGURE 5C**



1.16%

**FIGURE 5D**



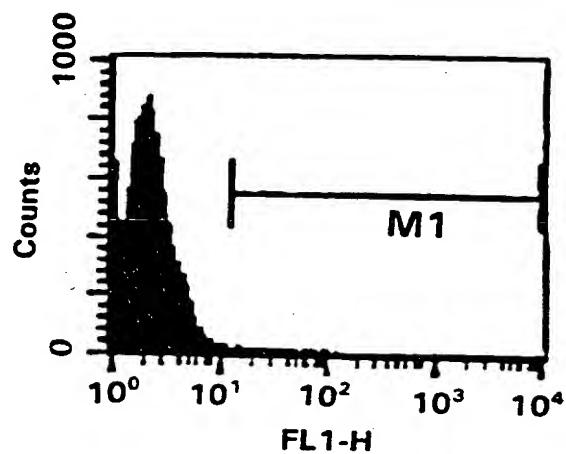
25.49%

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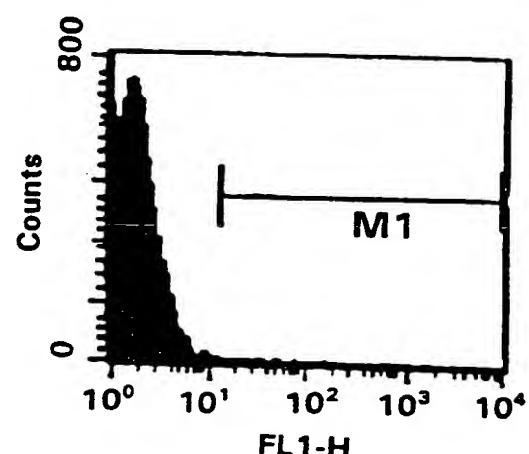
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**FIGURE 5E**  
**(48 Hours)**



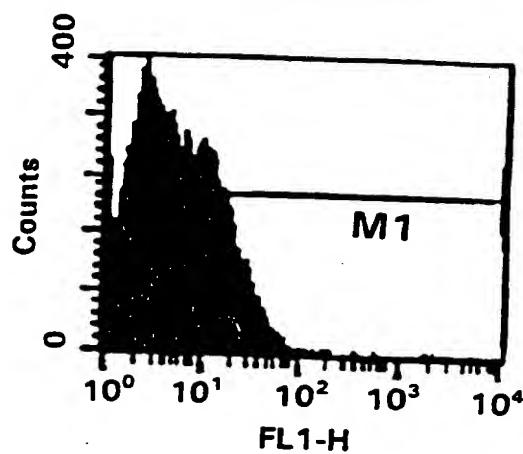
0.77%

**FIGURE 5F**



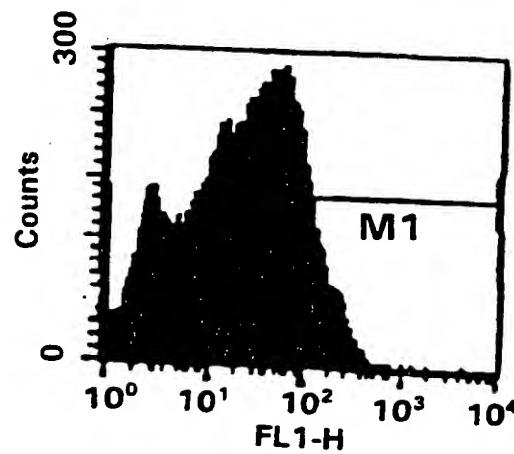
0.33%

**FIGURE 5G**



19.60%

**FIGURE 5H**

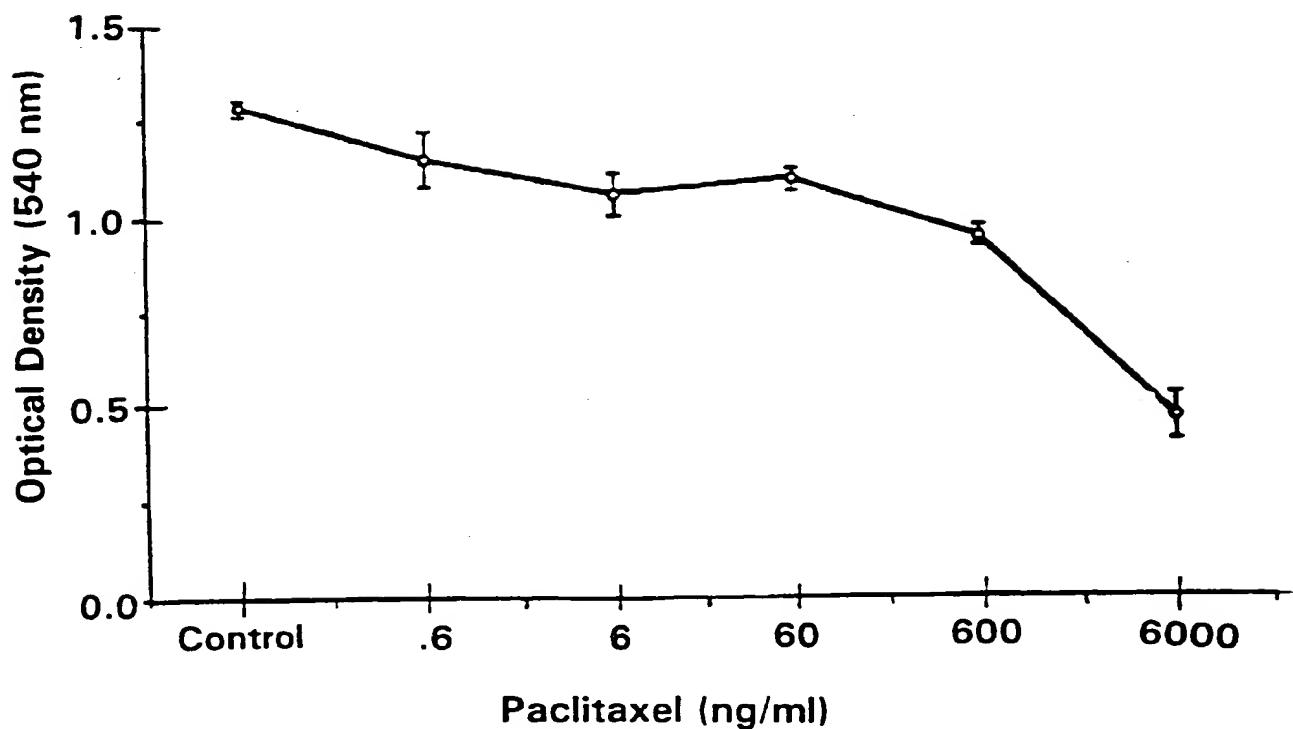


66.05%



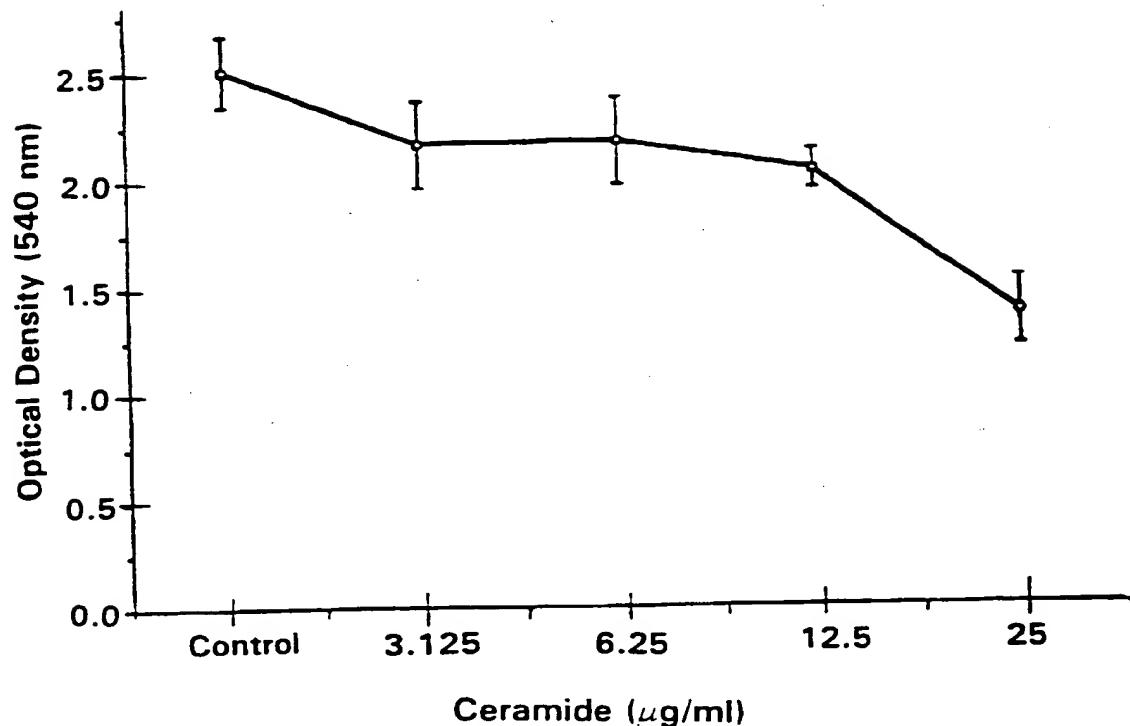
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**FIGURE 6A**



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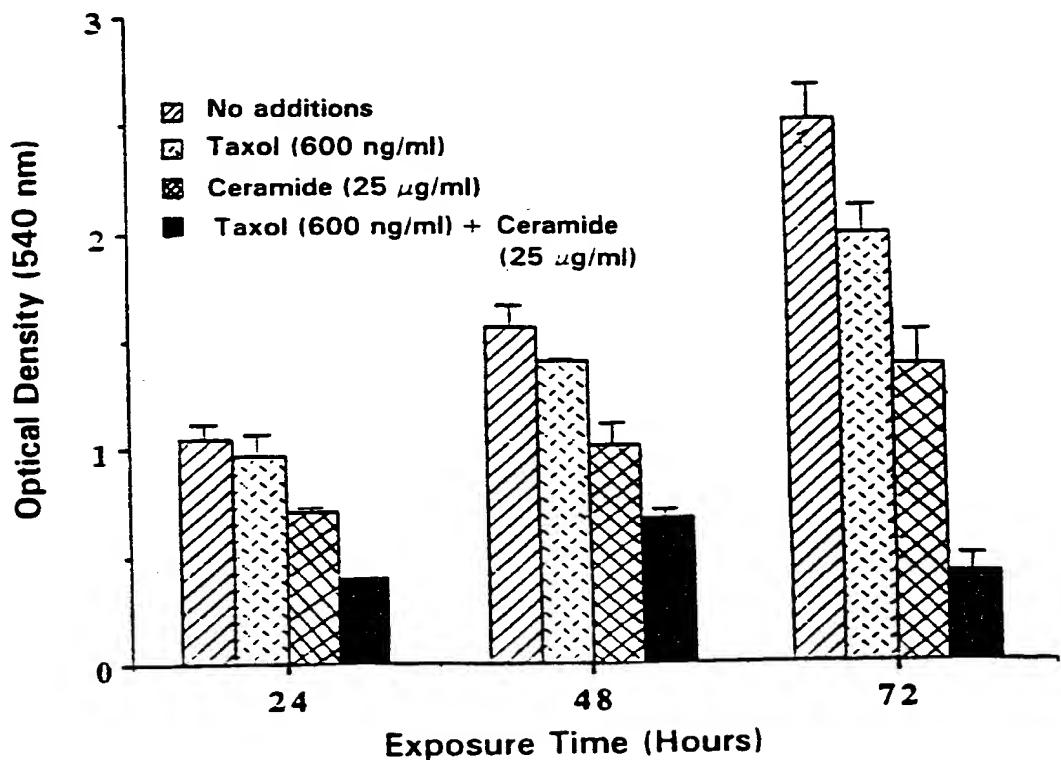
**FIGURE 6B**





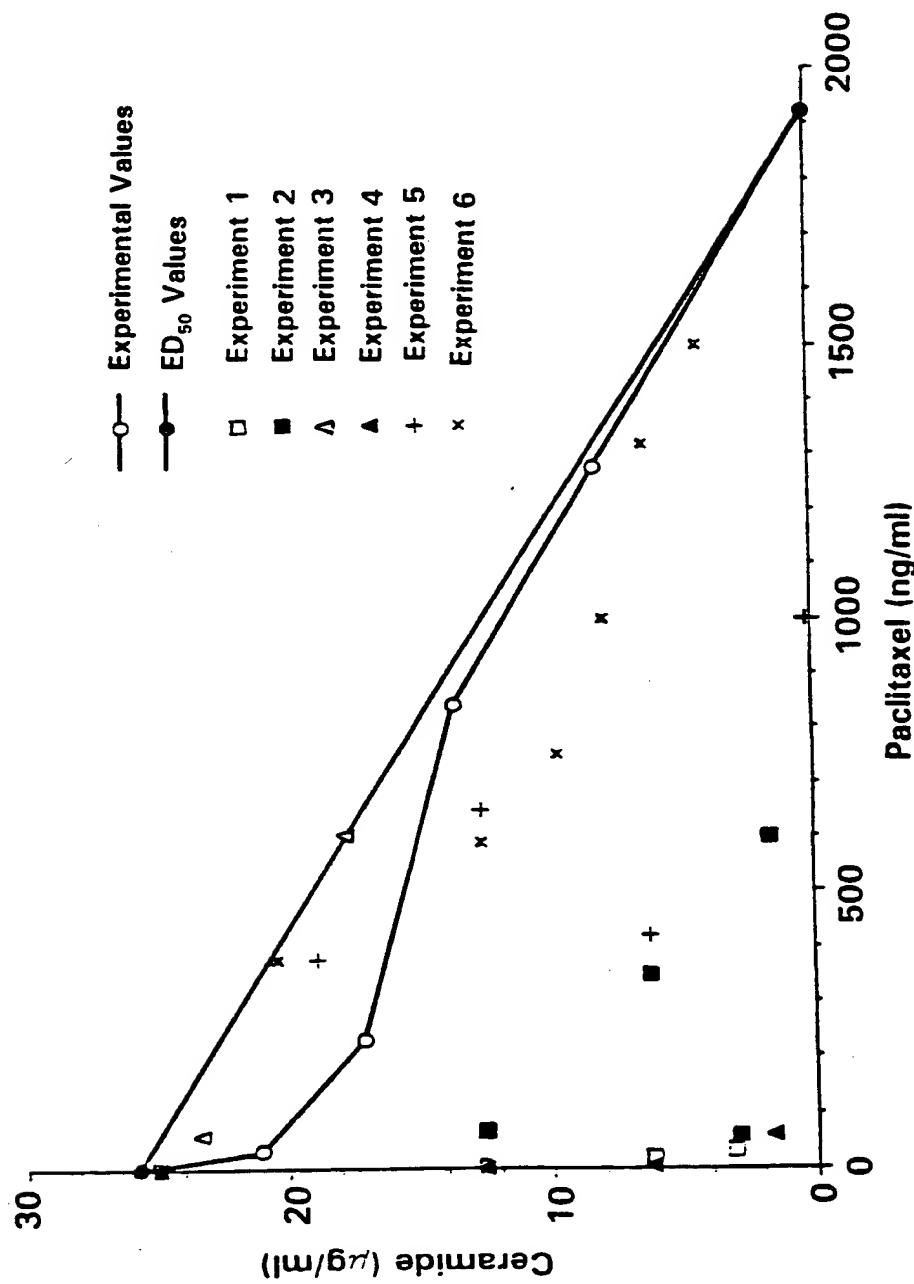
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## FIGURE 7



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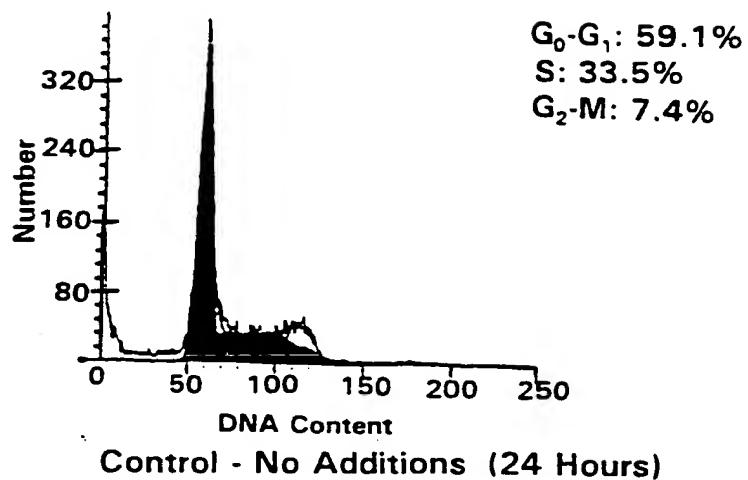
FIGURE 8



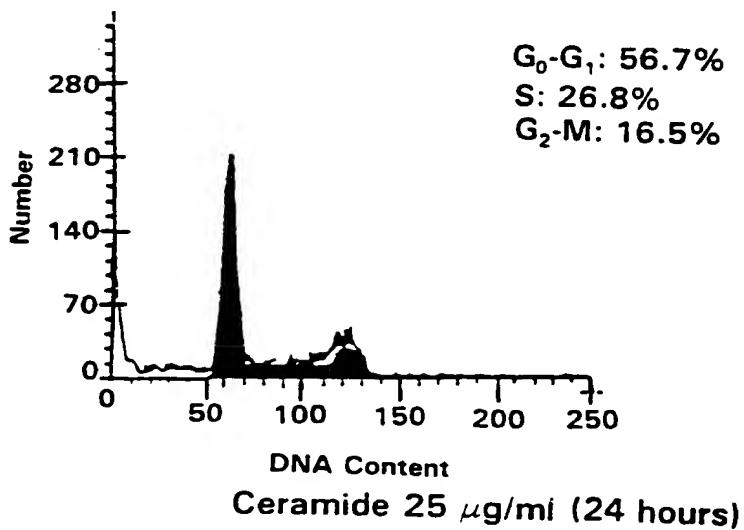


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**FIGURE 9A**



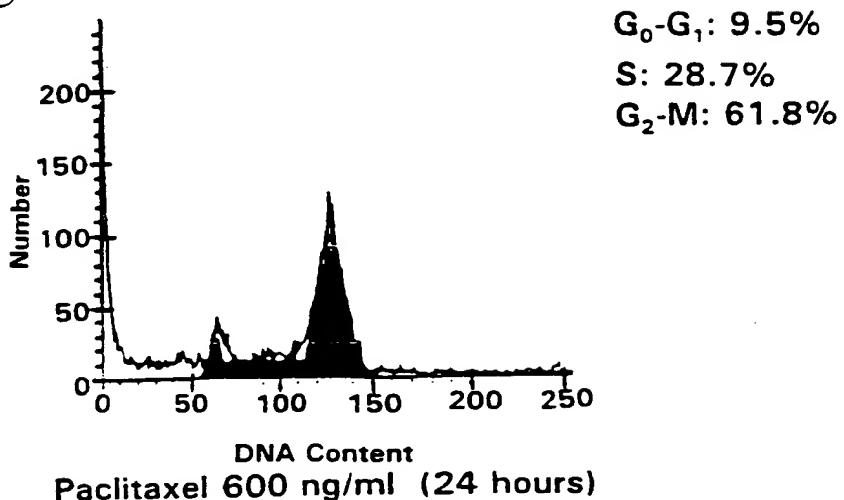
**FIGURE 9B**



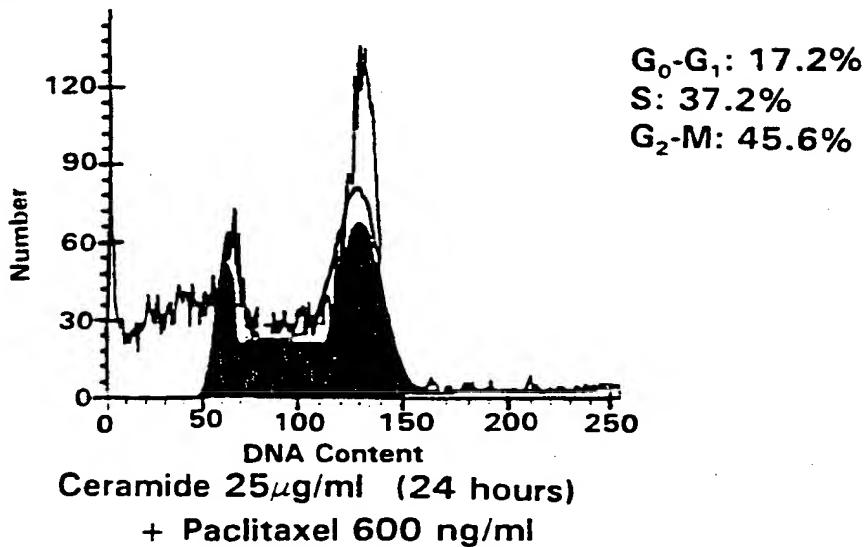


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**FIGURE 9C**



**FIGURE 9D**

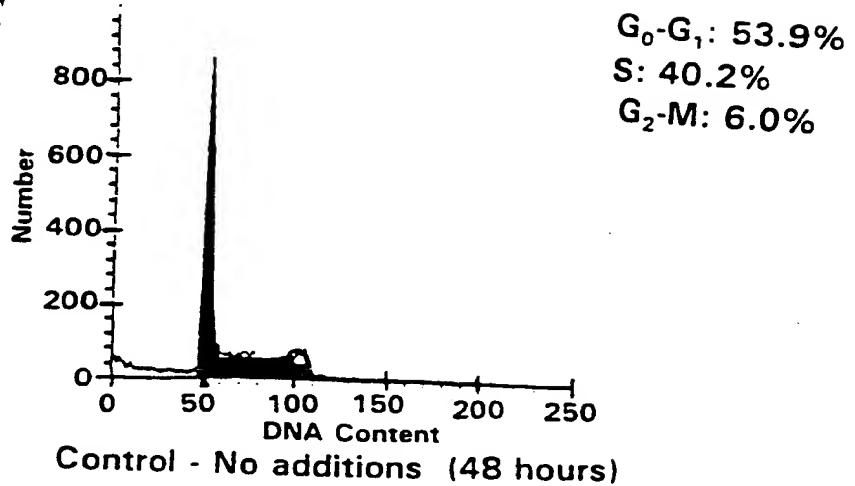




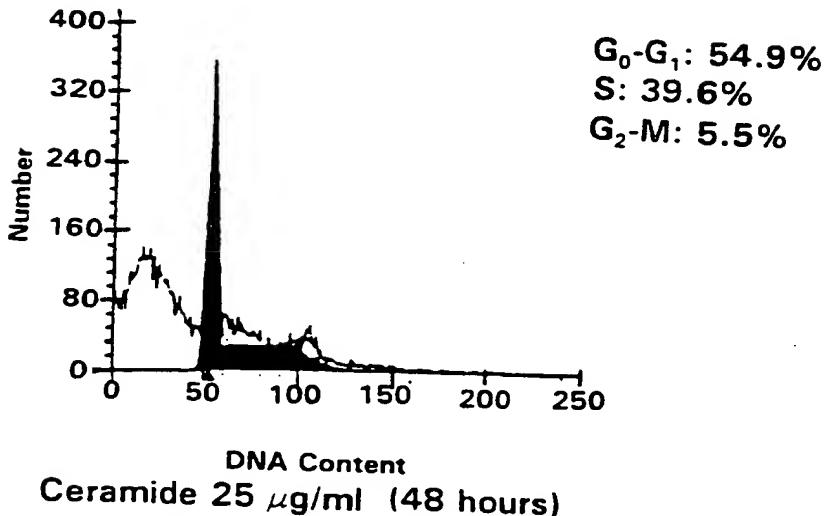
Applicants : Harold J. Wanebo and Shashikant Metha  
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**FIGURE 9E**



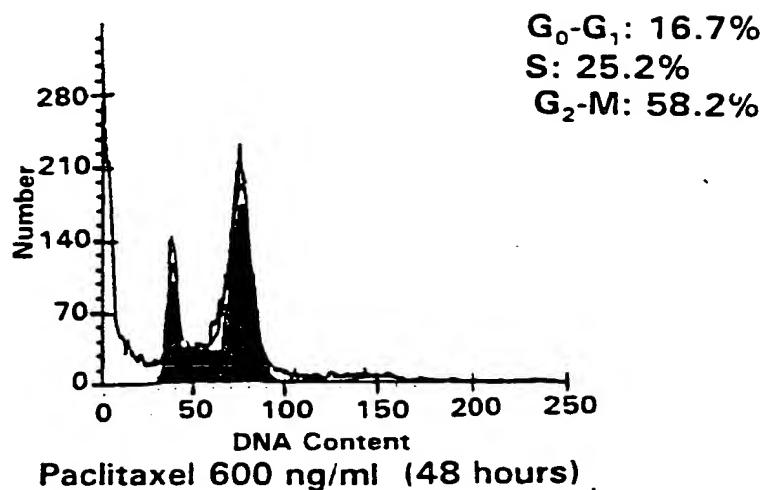
**FIGURE 9F**



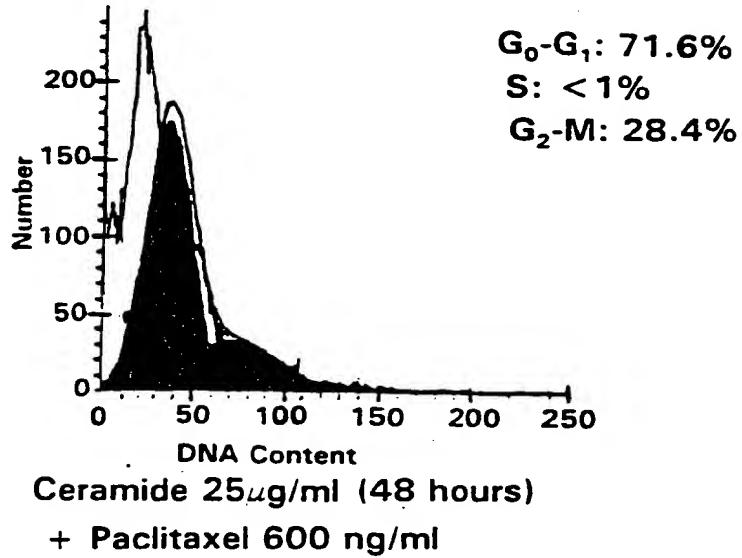


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**FIGURE 9G**



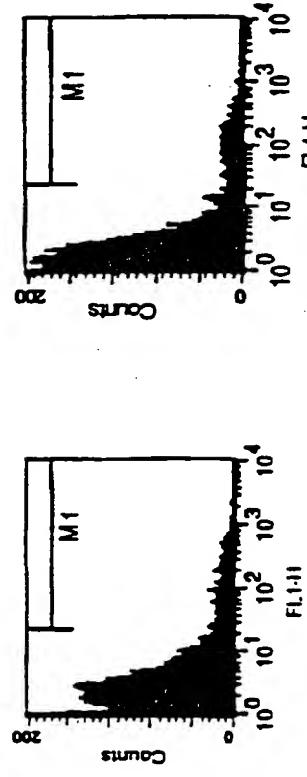
**FIGURE 9H**



Time Kinetics Of The Induction Of Apoptosis By Paclitaxel And Ceramide Acting In Combination.

FIGURE 10A

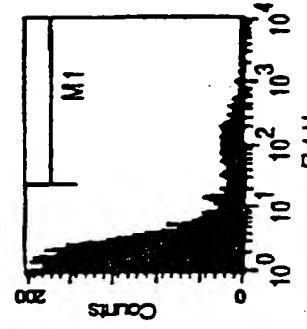
24 Hours Of Taxol And/Or Ceramide Exposure.



Control - no additions  
Apoptosis: 7.8%

FIGURE 10B

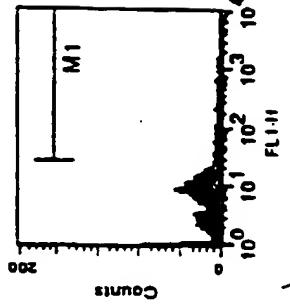
48 Hours Of Taxol And/Or Ceramide Exposure.



Ceramide (25  $\mu$ g/ml)  
Apoptosis: 9.7%

FIGURE 10E

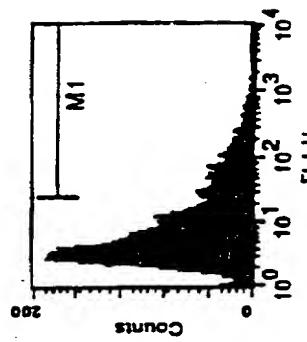
48 Hours Of Taxol And/Or Ceramide Exposure.



Control - no additions  
Apoptosis: 13.6%

FIGURE 10C

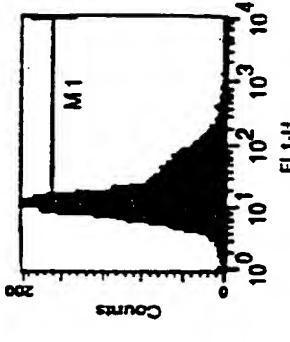
24 Hours Of Taxol And/Or Ceramide Exposure.



Paclitaxel (600 ng/ml)  
Apoptosis: 18.35%

FIGURE 10G

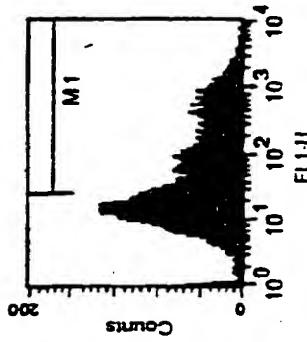
48 Hours Of Taxol And/Or Ceramide Exposure.



Ceramide (25  $\mu$ g/ml)  
Apoptosis: 54.7%

FIGURE 10D

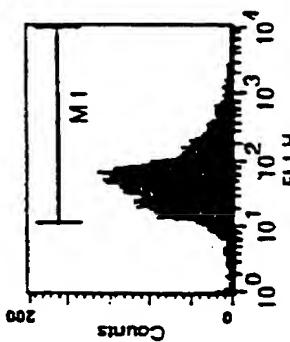
24 Hours Of Taxol And/Or Ceramide Exposure.



Ceramide 25  $\mu$ g/ml  
+ Paclitaxel 600 ng/ml  
Apoptosis: 53.7%

FIGURE 10H

48 Hours Of Taxol And/Or Ceramide Exposure.



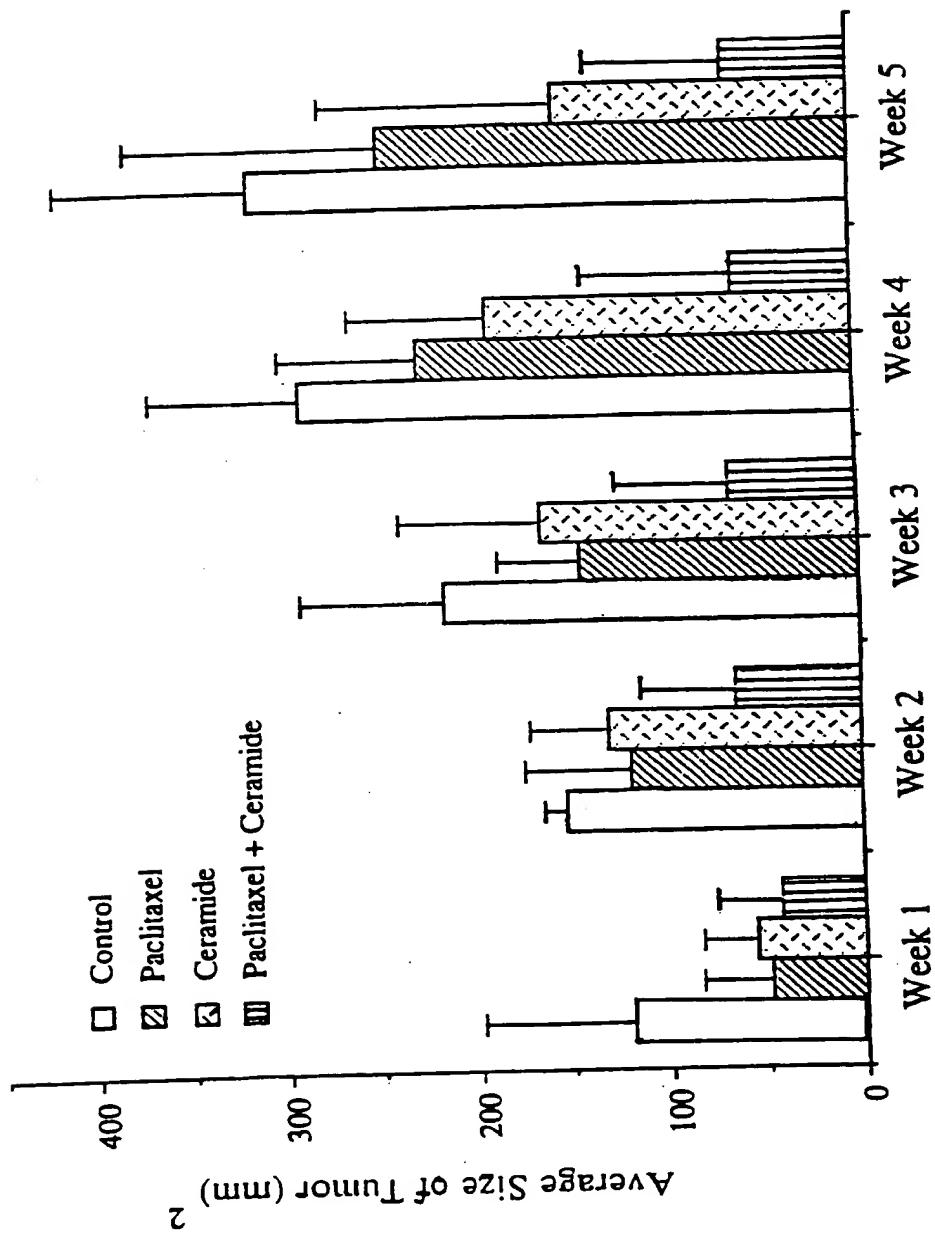
Ceramide (25  $\mu$ g/ml)  
+ Paclitaxel 600 ng/ml  
Apoptosis: 84.9%





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FIGURE 11





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FIGURE 12

